AMENDMENT(S) TO THE SPECIFICATION

Please replace the paragraph beginning at page 2, line 36, with the following rewritten paragraph:

The novel technical solution which is provided according to the invention ensures a method for evaluating (or diagnosing) the dynamic biological state of a patient (either healthy or ill), both on the structure and function points of view, and its evolution with the passing of time in view to correct observed defects, said method, which involves measuring several elements or substances present in blood and interpreting results of performed measures, comprising the following steps:

- (1°) providing the blood previously taken from a patient;
- (2°) determining in vitro, from said blood, hematic substances as metabolic and/or tissular parameters:
 - number of red blood cells (GR),
 - number of leukocytes (GB),
 - hemoglobin (HG),
 - number of neutrophils,
 - number of eosinophils,
 - number of lymphocytes,
 - number of monocytes,
 - number of platelets,
 - lactate dehydrogenase (LDH),
 - creatine phosphokinase (CPK),
 - thyroid-stimulating hormone (TSH),
 - alkaline phosphatases,
 - liver (H1 and H2), bone (O1) and/or intestine (I1, I2 and I3) isoenzymes,
 - osteocalcin,
 - potassium and calcium, and

optionally, at least one of the following substances:

- carcinoembryonic antigen (CEA),

- one or several CA15-3, CA125 and CA19-9 markers,
- acid phosphatases, in particular prostatic acid phosphatase (PAP),
- prostate specific antigen (PSA),
- hourly sedimentation rate (ESR1),
- bihourly sedimentation rate (ESR2),
- thyroid hormones, in particular triiodothyronine (FT3) and thyroxine (FT4),
- g-glutamyl transpeptidases,
- transaminases,
- chlorides and sodium, and
- adrenocorticotropic hormone (ACTH);
- (3°) measuring, from step (2°), at least one index selected from the group consisting of following indexes J1-J157:
- J1 the so-called genital ratio index, which is the ratio red blood cells/leukocytes,
- J2 the so-called genital-thyroid ratio index, which is the ratio neutrophils/lymphocytes,
- J3 the so-called adaptation index, which is the ratio eosinophils/monocytes, J3 being such that J3 = eosinophils/monocytes = ACTH/FSH,
- J4 the so-called thyroid index, which is the ratio LDH/CPK,
- J5 the so-called estrogenic index, which is the ratio TSH/osteocalcin,
- J6 the so-called growth index, which is the ratio bone isoenzymes of the alkaline phosphatases/osteocalcin, (O1/osteocalcin),
- J7 the so-called turnover index, which is the product TSH x O1
- J8 the so-called fibrosis index, J8 being defined by the relation J8 = (TSH)2(osteocalcin)3/100,
- J9 the so-called index of thyroid involvement, which is the ratio CA15-3/CEA,
- J10 the so-called index of follicular involvement, which is the ratio CA125/CEA,
- J11 the so-called index of metabolic-hypothalamic involvement, which is the ratio CA19-9/CEA,
- J12 the so-called pancreatic index, which is the ratio PAP/PSA,

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- J13 the so-called global TRH index of adaptation, which is the ratio CA19-9/TSH,
- J14 the so-called index of leukocytes mobilization, J14 being defined by the relation J14 = (platelets x neutrophils x HG)/(30 x leukocytes),
- J15 the so-called index of platelets mobilization, J15 being defined by the relation J15 = platelets/(60 x red blood cells),
- J16 the so-called index of thyroid reactivating activity, which is the ratio monocytes/lymphocytes,
- J17 the so-called structure/function ratio index, J17 being defined by the relation J17 = (neutrophils+basophils+monocytes)/(eosinophils [[x]] ± lymphocytes),
- J18 the so-called index of estrogenic fraction #1, which is the ratio lymphocytes/osteocalcin,
- J19 the so-called index of estrogenic fraction #2, which is the ratio neutrophils/monocytes,
- J20 the so-called index of metabolic estrogenic fraction, which is the ratio LDH/osteocalcin,
- J21 the so-called index of thyroid mobilization of bone metabolism, which is the ratio LDH/bone isoenzymes fraction of the alkaline phosphatases,
- the so-called index of thyroid mobilization of bone endocrine metabolism, which is the ratio TSH/bone isoenzymes fraction of the alkaline phosphatases,
- J23 the so-called index of relative osteomuscular metabolic activity, which is the ratio CPK/bone isoenzymes fraction of the alkaline phosphatases,
- J24 the so-called index of thyroid bone metabolic activity, which is the ratio CPK/osteocalcin,
- J25 the so-called catabolism/anabolism ratio index, J25 being the ratio J2/J1,
- J26 the so-called index of circulating cortisol, J26 being the ratio J25/J3,
- J27 the so-called androgenic index, J27 being the ratio J1/J3,
- J28 the so-called adrenal cortex index, J28 being the ratio J26/J27,
- J29 the so-called index of adrenal cortex permissiveness, J29 being the ratio J1/J27 1/J27,
- J30 the so-called index of aromatization of estrogens, J30 being the ratio J29/J1,
- J31 the so-called level of catabolism, J31 being the ratio J4/J28,
- J32 the so-called level of anabolism, J32 being the ratio J31/J25,

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- J33 the so-called level of metabolic activity efficiency, J33 being defined by the relation J33 = (J32+J31) x 100/2.25,
- J34 the so-called index of bone remodeling, which is the product TSH x J6,
- J35 the so-called index of nuclear membrane activity, J35 being the ratio J5/J6,
- J36 the so-called adjusted growth index, J36 being the ratio J6/J7,
- J37 the so-called anti-growth index, J37 being the ratio 1/J36,
- J38 the so-called somatostatin index, J38 being the ratio J37/J26,
- J39 the so-called prolactin index, J39 being defined by the relation $J39 = (J38/J6) \times TSH$,
- J40 the so-called level of membrane expansion, J40 being the product J31 x J36,
- J41 the so-called level of structural expansion, J41 being the product J32 x J35,
- J42 the so-called apoptosis index, J42 being the ratio J41/J40,
- J43 the so-called adjusted apoptosis index, J43 being the ratio J42/J35,
- J44 the so-called level of membrane fracture, J44 being defined by the relation J44 = J33/(TSH x J7),
- J45 the so-called necrosis index, J45 being the ratio J44/J42,
- J46 the so-called level of activity of total androgens, J46 being the product
 J5 x J1
- J47 the so-called rate of adrenal cortex androgens, J47 being defined by the relation J47 = J46/(1 + J27),
- J48 the so-called rate of genital androgens, J48 being defined by the relation J48 = (J46 J47),
- J49 the so-called progesterone index, J49 being defined by the relation $J49 = J5/(J48 \times J3)$,
- J50 the so-called level of activity of genital estrogens, J50 being defined by the relation J50 = J5/(1 + J30),

- J51 the so-called rate of aromatized estrogens, J51 being defined by the relation J51 = J5 J50,
- JJ53 the so-called folliculin index, J53 being defined by the relation $J53 = 20 \times (J5/J49)$,
- J54 the so-called insulin index, J54 being defined by the relation J54 = (100 x J25)/(J7 x TSH),
- J55 the so-called demyelinization index, J55 being defined by the relation $J55 = J54/(J36 \times J6)$,
- J56 the so-called index of DNA fracture, J56 being defined by the relation J56 = (100 x J5 x J6 x J41)/(J7 x J35 x J42 x J45),
- J57 the so-called index of nucleocytoplasmic pathogenicity, J57 being defined by the relation J57 = (1.7 x J56)/J44,
- J58 the so-called index of cellular fracture, J58 being defined by the relation J58 = $2.5 \times J44 \times J56/J45$,
- J59 the so-called index of carcinogenesis, J59 is the ratio J57/J42,
- J60 the so-called index of comparative carcinogenesis, J60 being defined by the relation J60 = $(10 \times J58)/J43$,
- J61 the so-called index of active cellular permeability, J61 being defined by the relation J61 = J6 x J34/J54,
- J62 the so-called index of adjusted active cellular permeability, J62 being defined by the relation $J62 = (J61 \times J29)/J26$,
- the so-called index of passive cellular permeability, J63 being defined by the relation J63 = J45 x J35 x J68 x 10 (wherein J68 is defined as indicated below),
- the so-called index of active intracellular osmolar gradient, J64 being defined by the relation $J64 = 100 \times J54 \times J40 \times J35/J3$,
- the so-called index of adjusted active intracellular osmolar gradient, J65 being defined by the relation $J65 = (J64 \times J29)/J26$,
- the so-called index of passive intracellular osmolar gradient, J66 being defined by the relation $J66 = (10 \times J43 \times J53)/(J45 \times J8)$,

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- the so-called oxidation-reduction index, J67 being defined by the relation J67 = (100 x) J45 x J40 x J41 x J54)/(J71 x J8 x J38), (wherein J71 is defined as indicated below),
- J68 the so-called index of corticoadrenal adaptation/permissiveness, J68 being defined by the relation J68 = J26 J29 J28,
- J69 the so-called adaptogenic index which is the ratio K/Ca,
- J70 the so-called bMSH/aMSH index, (differential melanocyte-stimulating hormones), J70 being the ratio J4/J69,
- J71 the so-called apoptosis bis index, J71 being defined by the relation $J71 = J35/(J36 \times J25)$,
- J72 the so-called amylosis index, J72 being defined by the relation $J72 = (J38 \times J53 \times J55 \times TSH)/(J4 \times J5 \times J54)$,
- J73 the so-called index of amylosis risk, J73 being the ratio J8/J67,
- J74 the so-called index of insulin resistance, J74 being the ratio J38/J54,
- J75 the so-called upstream index #1, J75 being the ratio J4/J9,
- J76 the so-called upstream index #2, J76 being the ratio J4/J10,
- J77 the so-called upstream index #3, J77 being the ratio J4/J11,
- J78 the so-called global upstream index #1, J78 being the ratio J75/J76,
- J79 the so-called global upstream index #2, J79 being the ratio J75/J77,
- J80 the so-called global upstream index #3, J80 being the ratio J76/J77,
- J81 the so-called index of thyroid output #1, J81 being the ratio J4/TSH,
- J82 the so-called index of free radicals, J82 being the ratio J67/J54,
- J83 the so-called adjusted index of free radicals, J83 being defined by the relation J83 = (J67 + J64)/(J54 + J74),
- the so-called comparative index of free radicals, J84 being defined by the relation J84 = $(J67 + (100 \times J40))/(J54 + J74)$,
- J85 the so-called index of free radical nocivity, J85 being defined by the relation J85 = ((J82 + J83 + J84) x J56)/(3 x J71),
- J86 the so-called adjusted apoptosis index (B), J86 being the ratio J71/J35,

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- J87 the so-called index of active histamine, J87 being defined by the relation J87 = (eosinophils x platelets x J3)/J52,
- J88 the so-called index of potential histamine, J88 being defined by the relation J88 = $(J87 \times J63)/(potassium \times J70)$
- J89 the so-called TRH index, J89 being the ratio TSH/FT4,
- J90 the so-called index of relative intrathyroid TRH activity, which is the ratio FT3/FT4,
- J91 the so-called index of carcinogenic expansion, J91 being the ratio J60/J59,
- J92 the so-called index of cancer potential, J92 being the product J91 x J54 x J85,
- J93 the so-called adenosis index, J93 being the ratio J8/J91,
- J94 the so-called ischemia reperfusion index, J94 being defined by the relation J94 = $10 \times J34 \times J43/J33$,
- J95 the so-called thrombogenic index, J95 being defined by the relation $J95 = 10 \times J34 \times J42 \times J45/J33$,
- J96 the so-called thrombotic index, J96 being defined by the relation $J96 = J95 \times J87 \times J1/10$,
- J97 the so-called adjusted genital ratio index, J97 being defined by the relation J97 = (J14 \times Red cells)/(Leukocytes \times J15) = J14 \times J1/J15,
- J98 the so-called musculotropic index, J98 being defined by the relation $J98 = J97 \times (CPK/O1)$,
- J99 the so-called adjusted estrogenic index, J99 being defined by the relation J99 = (J5 x (osteocalcin + 1)/(osteocalcin + 1 J98)),
- J100 the so-called genital androgeny index, J100 being defined by the relation J100 = (J98/J81) \times J99 x (J97)2/(J3 + J97),
- J101 the so-called comparative genital androgeny index, J101 being defined by the relation
- J101 = (2 x (TSH) 2 x CPK)/(J4 x osteocalcin x O1),
- J102 the so-called "starter" index, J102 being the ratio J14/J15,
- J103 the so-called adjusted index of thyroid reactivating activity, J103 being the product J16 x J2,

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- J104 the so-called pro-inflammatory index, J104 being the product J103 x J69,
- J105 the so-called index of inflammation, J105 being the product J104 x J45,
- J106 the so-called comparative index of inflammation, J106 being defined by the relation J106 = J105/(((ESR2/2) + ESR1)/2)/ESR1,
- J107 the so-called interleukin 1 index, J107 being defined by the relation $J107 = (J16 \times J38)/(J103 \times J37)$,
- J108 the so-called DHEA index, J108 being defined by the relation $J108 = (J29 \times J30 \times J47 \times J51 \times J98 \times 1000)/(J49 \times J27 \times J100),$
- J109 the so-called serotonin index, J109 being defined by the relation $J109 = (10 \times J102)/(J54 \times J74)$,
- J110 the so-called adjusted demyelinization index, J110 being the product J55 x J102,
- J111 the so-called expansiveness index #1, J111 being the ratio J36/J35,
- J112 the so-called expansiveness index #2, J112 being the ratio J40/J41,
- J113 the so-called global expansiveness index, J113 being defined by the relation J113 = (J111 x J112)/J45,
- J114 the so-called ACTH index, J114 being the ratio J108/J26,
- J115 the so-called PTH index, J115 being defined by the relation
 J115 = (calcium x osteocalcin x TSH)/J4,
- J116 the so-called index of gonadotropic output, J116 being defined by the relation J116 = 1/(J1 x J53),
- J117 the so-called index of pelvic congestion, J117 being defined by the relation J117 = (J59/J60) x (J94/J33),
- J118 the so-called index of splanchnic congestion, J118 being the ratio J117/J14,
- J119 the so-called growth score index, J119 being defined by the relation $J119 = (J6 \times J37)/(J36 \times J38)$,
- J120 the so-called GH growth score index, J120 being defined by the relation J120 = (J6 x J37)/J36,
- J121 the so-called TRH/TSH ratio index, J121 being the ratio J72/J93,

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- J122 the so-called index of thyroid efficiency, J122 being the ratio J4/J2,
- J123 the so-called index of relative thyroid efficiency, J123 being the ratio J122/J81,
- J124 the so-called index of oxidation, J124 being defined by the relation $J124 = (100 \times J36 \times J54 \times J122)/(J74 \times J26)$,
- J125 the so-called index of reduction, J125 being the ratio J124/J67,
- J126 the so-called pro-amyloid index, J126 being the product J125 x J74,
- J127 the so-called index of amyloid risk, J127 being the ratio J8/J124,
- J128 the so-called index of thyroid output #2, J128 being the product J2 x J4,
- J129 the so-called comparative index of thyroid output, J129 being the ratio J128/J81,
- J130 the so-called index of estrogenic fraction #3, J130 being the ratio 1/J1,
- J131 the so-called index of estrogenic fraction #4, J131 being the product J18 x J19,
- J132 the so-called index of estrogenic fraction #5, J132 being the product J19 x J130,
- J133 the so-called general index of estrogenic fraction, J133 being the product J18 x J19 x J130,
- J134 the so-called index of estrogenic fraction #6, J134 being defined by the relation J134 = 1/(osteocalcin x J2),
- J135 the so-called index of estrogenic fraction #7, J135 being the product J18 x J19 x J134,
- J136 the so-called index of estrogenic fraction #8, J136 being the ratio J2/osteocalcin,
- J137 the so-called general quantitative estrogenic index, J137 being the product (J18 + J19) x (leukocytes/100),
- J138 the so-called index of specific estrogenic fraction, J138 being the product J5 x (J98 + 1),
- J139 the so-called comparative estrogenic index #1, J139 being the ratio J133/(J5 x 100),
- J140 the so-called comparative estrogenic index #2, J140 being the ratio J133/(J99 x 100),

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- J141 the so-called global comparative estrogenic index, J141 being the ratio J133/(J5 x J99 x 100),
- J142 the so-called index of somatotropic estrogenic output, J142 being the ratio J133/J144 (where J144 is defined as indicated below),
- J143 the so-called index of quantitative organotissular estrogenic output, J143 being the ratio J137/J144 (where J144 is defined below),
- J144 the so-called FSH index #1, J144 being the ratio J114/J3,
- J145 the so-called LH index #1, J145 being the product J114 x J27,
- J146 the so-called FSH index #2, J146 being the ratio J145/J1,
- J147 the so-called LH index #2, J147 being the product J144 x J1,
- J148 the so-called index of progesterone output, J148 being the ratio J49/J138,
- J149 the so-called ketonic index, J149 being the ratio J102/J54,
- J150 the so-called index of total subliminal TRH, J150 being the product TSH x (CA19-9) x J90,
- J151 the so-called index of active carcinogenesis, J151 being the product J59 x J113,
- J152 the so-called comparative index of active carcinogenesis, J152 being the product J60 x J113,
- J153 the so-called gonadothyrotropic index, J153 being the ratio TSH/J2,
- J154 the so-called index of global tissular estrogenic fraction, J154 being the ratio J140/J139,
- J155 the so-called index of muscle destruction, J155 being the ratio J36/J101,
- J156 the so-called amyloid score index, J156 being defined by the relation J156 = $(J2 \times J53 \times J72 \times J94 \times J110 \times J126 \times J127)/(J4 \times J5 \times J67 \times J19 \times J20)$,
- the so-called adjusted necrosis index, J157 being the product LDH x J45; and, (4°) comparing at least one of the J1-J157 indexes with the corresponding result obtained according to steps (2°) and (3°) with human beings already recognized as being healthy, in order to appreciate dynamically the biological state of the patient to be tested.

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Please replace the paragraph beginning at page 38, line 5, with the following rewritten paragraph:

- -at the pathogenesis level (see Table XVII):
- the index of free radical nocivity (J85)
- the necrosis index (J45)
- the oxidation-reduction index (J67)
- the index of cellular fracture (J58)
- the level of membrane expansion (J40)
- the level of membrane fracture (J44)
- the fibrosis index (J8)
- the index of cancer potential (J92)
- the index of carcinogenesis (J59)
- the level of structural expansion (J41)
- the index of comparative carcinogenesis (J60)
- the index of DNA fracture (J56)
- the expansiveness index #1 (J111)
- the expansiveness index #2 (J112)
- the index of nucleocytoplasmic pathogenicity (J57)
- the index of carcinogenic expansion (J91)
- the adenosis index (J93)
- the amylosis index (J72)
- the index of amylosis risk (J73)
- the index of potential histamine (J88)
- the pro-inflammatory index (J104)
- the index of inflammation (J105)
- the comparative index of inflammation (J106)
- the index of splanchnic congestion (J118)
- the thrombotic index (J96)
- the pro-amyloid index (J126)

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- the index of amyloid risk (J127)[[;]]
- the index of pelvic congestion (J117);

Please replace the table beginning at page 42, line 12, with the following rewritten table:

TABLE XXII

Patient	Control		Index	Observed data			
	<u>Mini</u>	<u>Maxi</u>		T_0	T_1	T_2	T_3
9	1.5	5	J54	4.56	51.16		
10	1.5	5	J54	49.07			
11	1.5	5	J54	3.09	7.88	9.22	90.81
12	1.5	5	J54	4.25	9.96		